rb1904-SE |

rb1904-SE, all entries

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Summary | Threaded -- Author -- -- Instrument -- -- Action -- **232 Entries**

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Event	dateTimeUTC	GPS_Time	Instrument	Action	Transect	Station	Cast	Latitude	Longitude	Seafloor	Author	Comment
20190516.1427.001	20190512.1001	2019/05/12 10:01:42	Other	start	1a	NaN	NaN	41.523848	-70.672309		wZhang	Transect 1a (Southward) starts
20190512.1419.001	20190512.1340	2019/05/12 10:02:44	Ship	startCruise	NaN	NaN	NaN	41.523848	-70.672308		wZhang	leaving Woods Hole
20190512.1745.001	20190512.1420	2019/05/12 10:02:44	Underway Science Seawater Diaphragm	start	NaN	NaN	NaN	41.523848	-70.672308		tCrockford	
20190512.1746.001	20190512.1431	2019/05/12 10:02:44	IFCB continuous	start	NaN	NaN	NaN	41.523848	-70.672308		tCrockford	
20190512.1825.001	20190512.1439	2019/05/12 17:54:36	Attune Flowcytometer	start	NaN	NaN	NaN	40.789505	-70.840453		tCrockford	
20190512.1832.001	20190512.1510	2019/05/12 10:02:44	EIMS	start	NaN	NaN	NaN	41.523848	-70.672308		zSandwith	
20190512.1827.001	20190512.1520	2019/05/12 10:02:44	Underway Science Seawater Impeller	start	NaN	NaN	NaN	41.523848	-70.672308		tCrockford	
20190512.1826.001	20190512.1827	2019/05/12 18:27:02	Other	start	NaN	NaN	NaN	40.688931	-70.830162		tCrockford	Knudsen turned ON
20190512.2238.001	20190512.2137	2019/05/12 21:37:06	CTD	start	1	A5	1	40.471497	-70.832841		mSwartz	First stn 73m depth
20190516.1428.001	20190512.2137	2019/05/12 21:37:06	Other	start	1b	NaN	NaN	40.471497	-70.832841		wZhang	Transect 1b (Southward) starts
20190516.1519.001	20190512.2137	2019/05/12 21:37:06	Other	end	1a	A5	NaN	40.471497	-70.832841		zSandwith	
20190512.2241.001	20190512.2205	2019/05/12 22:05:06	CTD	stop	1	A5	001	40.471297	-70.842129		mSwartz	at surface. Bottle 14 fired but not closed.
20190513.0004.001	20190512.2324	2019/05/12 23:24:06	CTD	start	1	A6	002	40.398899	-70.832548		wZhang	
20190513.0005.001	20190512.2345	2019/05/12 23:45:06	CTD	stop	1	A6	002	40.396394	-70.843113		wZhang	bottle 14 didn't fire
20190513.0909.001	20190513.0109	2019/05/13 01:09:06	CTD	start	1	A7	003	40.336526	-70.831087		wZhang	Marshall at the CTD console
20190513.0910.001	20190513.0127	2019/05/13 01:27:06	CTD	stop	1	A7	003	40.338176	-70.832086		wZhang	Marshall at the CTD console
20190513.0911.001	20190513.0248	2019/05/13 02:48:05	CTD	start	1	A8	004	40.269393	-70.831515		wZhang	Marshall at the CTD console
20190513.0911.002	20190513.0304	2019/05/13 03:04:05	CTD	stop	1	A8	004	40.270624	-70.830810		wZhang	Marshall at the CTD console
20190513.0539.001	20190513.0451	2019/05/13	CTD	start	1	A9	005	40.204897	-70.829902		hOliver	

		04:51:51										
20190513.0521.001	20190513.0516	2019/05/13 05:16:06	Underway Science Seawater Impeller	TOI discrete	1	A9	5	40.206399	-70.830630		zSandwith	underway surface seawater at same time as cast surface
20190513.0541.001	20190513.0516	2019/05/13 05:16:51	CTD	stop	1	A9	005	40.206466	-70.830789		hOliver	
20190513.0741.001	20190513.0629	2019/05/13 06:29:51	CTD	start	1	A10	006	40.137148	-70.831844		hOliver	
20190513.0742.001	20190513.0717	2019/05/13 07:17:51	CTD	stop	1	A10	006	40.139697	-70.832386		hOliver	
20190513.0902.001	20190513.0819	2019/05/13 08:19:06	CTD	start	1	A11	007	40.072937	-70.834326		wZhang	
20190513.0903.001	20190513.0836	NaN	CTD	stop	1	A11	007	NaN	NaN		wZhang	
20190513.1552.001	20190513.1013	NaN	CTD	start	1	A12	008	NaN	NaN		wZhang	
20190513.1553.001	20190513.1039	NaN	CTD	stop	1	A12	008	NaN	NaN		wZhang	PAR data wrong (calibration issue)
20190513.1555.001	20190513.1301	NaN	CTD	start	1	A13	009	NaN	NaN		wZhang	PAR calbration issue solved
20190513.1556.001	20190513.1347	NaN	CTD	stop	1	A13	009	NaN	NaN		wZhang	
20190513.1651.001	20190513.1651	2019/05/13 16:51:55	CTD	stop	1	A13	010	39.944446	-70.827264		hOliver	
20190513.1811.001	20190513.1811	NaN	CTD	start	1	A14	011	NaN	NaN		hOliver	
20190513.1858.001	20190513.1858	NaN	CTD	stop	1	A14	011	NaN	NaN		hOliver	
20190513.1644.001	20190513.1919	NaN	CTD	start	1	A13	010	NaN	NaN		wZhang	
20190513.2028.001	20190513.2028	NaN	CTD	start	1	A15	012	NaN	NaN		hOliver	
20190513.2110.001	20190513.2048	NaN	CTD	stop	1	A15	012	NaN	NaN		hOliver	PAR reading was off. Marshall is working on it.
20190516.1521.001	20190513.2320	NaN	Other	end	1b	A16	NaN	NaN	NaN		zSandwith	GPS time is 2019/05/13 23:20:00
20190516.1434.001	20190514.0124	2019/05/14 01:24:35	Other	start	2b	NaN	NaN	39.976090	-70.736974		zSandwith	Transect 2b (Northward) True GPS time is 2019/05/14 06:46:00
20190516.1517.001	20190514.0646	2019/05/14 01:24:37	Other	end	2a	A5	NaN	39.976153	-70.736947		zSandwith	True GPS Time 2019/05/14 06:46:00
20190514.1016.001	20190514.1016	NaN	Other	start	3	A5	NaN	NaN	NaN		wZhang	Secchi disk deployment
20190516.1439.001	20190514.1053	2019/05/14 12:46:31	Other	start	3	A5	013	40.398403	-70.831737		zSandwith	Southward True GPS Time is 2019/05/14
20190514.1255.001	20190514.1120	2019/05/14 01:24:37	CTD	stop	3	A5	013	39.976153	-70.736947		wZhang	real cast finish time: 2019/05/14 11:20:00
20190514.1252.001	20190514.1246	2019/05/14 12:46:31	CTD	start	3	A5	013	40.398403	-70.831737		wZhang	real cast time: 2019/05/14

												10:53:00 (elog time wrong); before this cast, CDOM florometer was removed from rossett, CTD channel B7 no long receive CDOM data
20190516.1434.002	20190514.1246	2019/05/14 12:46:31	Other	end	2b	NaN	NaN	40.398403	-70.831737		zSandwith	Transect 2b (Station at A5) ends; True GPS time is 2019/05/14 10:53:00
20190514.1308.001	20190514.1308	2019/05/14 13:09:00	CTD	start	3	A6	014	40.397815	-70.831847		wZhang	
20190514.1328.001	20190514.1328	2019/05/14 13:28:20	CTD	stop	3	A6	014	40.399626	-70.833296		wZhang	zoop incubation
20190514.1359.001	20190514.1359	2019/05/14 13:59:16	MOCNESS	deploy	3	A6	NaN	40.401991	-70.830169		wZhang	zoop collection
20190514.1446.001	20190514.1446	2019/05/14 14:46:16	CTD	start	3	A6	015	40.415626	-70.817072		wZhang	zoop incubation water collection
20190514.1511.001	20190514.1511	2019/05/14 15:11:46	CTD	stop	3	A6	015	40.408421	-70.820461		zSandwith	zoop grazing water collection (14m);
20190516.2255.001	20190514.1535	2019/05/14 15:35:01	Grazing Incubation	start	3	A6	15	40.351559	-70.832875		cPetitpas	grazing incubation#2 start at 11:35 local at 56m in Front
20190514.1601.001	20190514.1601	2019/05/14 16:01:58	CTD	start	3	A7	16	40.335833	-70.832121		cXiao	c14 incubation
20190514.1622.001	20190514.1622	2019/05/14 16:22:26	CTD	stop	3	A7	16	40.335326	-70.833534		cXiao	c14 incubation
20190516.1441.001	20190514.1622	2019/05/14 16:22:31	Other	end	3	A7	016	40.335338	-70.833529		zSandwith	Transect 3 (Southward) end
20190516.1442.001	20190514.1622	2019/05/14 16:22:31	Other	start	4	A7	NaN	40.335338	-70.833529		zSandwith	Transect 4 (Northward) starts
20190516.1443.001	20190514.1750	2019/05/14 17:50:01	Other	end	4	A5	NaN	40.493328	-70.821226		zSandwith	Transect 4 (Northward) ends
20190516.1448.001	20190514.1750	2019/05/14 17:50:01	Other	start	5	A5	NaN	40.493328	-70.821226		zSandwith	Transect 5 (VPR-1 southward) starts
20190514.1753.001	20190514.1753	2019/05/14 17:53:31	towed VPR	deploy	5	A5	VPR1	40.499919	-70.816655		hOliver	towed VPR-1
20190516.2249.001	20190514.1803	2019/05/14 18:03:31	Grazing Incubation	stop	1	A13	10	40.491831	-70.799066		cPetitpas	grazing incubation#1 breakdown at 14:03 local
20190514.2129.001	20190514.2129	2019/05/14	SUNA V2	change	NaN	NaN	NaN	39.936486	-70.829301		tCrockford	miliQ ref cal

		21:29:04		configuration								update SNA1227I.CAL now being used
20190514.2352.001	20190514.2352	2019/05/14 23:52:31	towed VPR	recover	5	A18	VPR1	39.638825	-70.784498		cXiao	
20190515.0030.001	20190515.0030	2019/05/15 00:30:34	CTD	start	6	A18	17	39.621838	-70.829875		cXiao	Marshall at the CTD console
20190516.1449.001	20190515.0030	2019/05/15 00:30:34	Other	end	5	A18	NaN	39.621838	-70.829875		zSandwith	Transect 5 (VPR-1 southward) ends
20190516.1452.001	20190515.0030	2019/05/15 00:30:34	Other	start	6	A18	017	39.621838	-70.829875		zSandwith	Transect 6 (Northward) starts
20190515.0104.001	20190515.0104	2019/05/15 01:04:47	CTD	stop	6	A18	17	39.620176	-70.826474		cXiao	Marshall at the CTD console
20190515.0205.001	20190515.0205	2019/05/15 02:05:52	CTD	start	6	A17	18	39.683675	-70.829319		cXiao	Marshall at the CTD console
20190515.0243.001	20190515.0243	2019/05/15 02:43:05	CTD	stop	6	A17	18	39.683846	-70.826959		cXiao	Marshall at the CTD console
20190515.0337.001	20190515.0337	2019/05/15 03:37:25	CTD	start	6	A16	19	39.748551	-70.830547		cXiao	Marshall at the CTD console
20190515.0414.001	20190515.0414	2019/05/15 04:14:05	CTD	stop	6	A16	019	39.749555	-70.830044		zSandwith	
20190515.0523.001	20190515.0523	2019/05/15 05:23:28	CTD	start	6	A15	020	39.814948	-70.830437		zSandwith	
20190515.0557.001	20190515.0557	2019/05/15 05:57:40	CTD	stop	6	A15	020	39.815072	-70.830374		zSandwith	
20190515.0654.001	20190515.0654	2019/05/15 06:54:05	CTD	start	6	A14	021	39.880384	-70.830173		zSandwith	
20190515.0730.001	20190515.0730	2019/05/15 07:30:31	CTD	stop	6	A14	021	39.880709	-70.832327		zSandwith	
20190515.0823.001	20190515.0823	2019/05/15 08:23:46	CTD	start	6	A13	022	39.944603	-70.830942		zSandwith	
20190515.0853.001	20190515.0853	2019/05/15 08:53:03	CTD	stop	6	A13	022	39.944916	-70.830503		zSandwith	
20190515.0941.001	20190515.0941	2019/05/15 09:41:34	CTD	start	6	A12	023	40.009548	-70.829943		zSandwith	
20190515.1007.001	20190515.1007	2019/05/15 10:07:53	CTD	stop	6	A12	023	40.010103	-70.830435		zSandwith	
20190515.1008.001	20190515.1008	2019/05/15 10:09:00	Underway Science Seawater Impeller	TOI discrete	NaN	A6	14	40.010119	-70.830424		zSandwith	underway surface seawater at same time as cast surface taken 5/14/19 13:30
20190515.1010.001	20190515.1010	2019/05/15 10:10:04	Underway Science Seawater Impeller	TOI discrete	6	A12	023	40.010104	-70.830401		zSandwith	underway surface seawater at same time as cast surface taken 5/15/19 10:05 in duplicate

20190515.1102.001	20190515.1102	2019/05/15 11:02:05	CTD	start	6	A11	024	40.075603	-70.830387		zSandwith	
20190515.1120.001	20190515.1120	2019/05/15 11:20:35	CTD	stop	6	A11	024	40.075393	-70.830143		zSandwith	
20190515.1212.001	20190515.1212	2019/05/15 12:12:42	CTD	start	6	A10	025	40.137997	-70.832262		zSandwith	
20190515.1239.001	20190515.1239	2019/05/15 12:39:35	CTD	stop	6	A10	025	40.137251	-70.831761		zSandwith	
20190515.1426.001	20190515.1317	2019/05/15 13:16:56	MOCNESS	deploy	NaN	A10	3	40.143425	-70.831870		pAlatalo	
20190515.1427.001	20190515.1406	2019/05/15 14:05:56	MOCNESS	recover	NaN	A10	3	40.173879	-70.831722		pAlatalo	
20190515.1421.001	20190515.1421	2019/05/15 14:21:41	CTD	start	6	A10z	026	40.173779	-70.830423		zSandwith	zoop incubation Is actually halfway between A10 and A9; 56m water; start=15:10; stop=
20190515.1435.001	20190515.1435	2019/05/15 14:35:26	CTD	stop	6	A10z	026	40.174229	-70.830896		zSandwith	zoop incubation Is actually halfway between A10 and A9
20190516.0130.001	20190515.1510	2019/05/15 15:10:26	Grazing Incubation	start	6	A10z	026	40.198148	-70.829737		cPetitpas	grazing incubation#3 at 56m in Front
20190515.1531.001	20190515.1531	2019/05/15 15:31:48	CTD	start	6	A9	027	40.205247	-70.829214		zSandwith	
20190515.1604.001	20190515.1604	2019/05/15 16:04:04	CTD	stop	6	A9	27	40.204468	-70.830296		cXiao	Marshall at the CTD console
20190516.2300.001	20190515.1618	2019/05/15 16:17:55	Grazing Incubation	stop	3	A6	15	40.204774	-70.830092		cPetitpas	grazing incubation#2 breakdown at 12:18 local
20190515.1706.001	20190515.1706	2019/05/15 17:06:10	CTD	start	6	A8	28	40.268927	-70.831625		cXiao	Hilder at the CTD console
20190515.1736.001	20190515.1736	2019/05/15 17:36:07	CTD	stop	6	A8	28	40.268433	-70.833508		cXiao	Hilder at the CTD console
20190515.1859.001	20190515.1859	2019/05/15 18:59:45	CTD	start	6	A7	29	40.332970	-70.831981		cXiao	Marshall at the CTD console
20190515.1926.001	20190515.1926	2019/05/15 19:26:36	CTD	stop	6	A7	29	40.332749	-70.829547		cXiao	Hilder at the CTD console
20190515.2028.001	20190515.2028	2019/05/15 20:28:11	CTD	start	6	A6	30	40.401024	-70.830518		cXiao	Gordon at the CTD console
20190515.2049.001	20190515.2049	2019/05/15 20:49:54	CTD	stop	6	A6	30	40.401154	-70.830858		cXiao	Gordon at the CTD console
20190515.2141.001	20190515.2141	2019/05/15 21:41:41	CTD	start	6	A5	31	40.464729	-70.831839		cXiao	Gordon at the CTD console
20190515.2204.001	20190515.2204	2019/05/15 22:04:13	CTD	stop	6	A5	31	40.466425	-70.827074		cXiao	Gordon at the CTD console
20190516.1455.001	20190515.2228	2019/05/15 22:28:26	Other	end	6	A5	031	40.467624	-70.842698		zSandwith	Transect 6 (Northward) ends

20190516.1459.001	20190515.2228	2019/05/15 22:28:26	Other	start	7	A5	NaN	40.467624	-70.842698		zSandwith	Transect 7 (Westward) starts
20190516.1500.001	20190515.2350	2019/05/15 23:50:07	Other	end	7	EIMS W1	NaN	40.458421	-71.100498		zSandwith	Transect 7 (Westward) end
20190516.1505.001	20190515.2350	2019/05/15 23:50:07	Other	start	8	EIMS W1	NaN	40.458421	-71.100498		zSandwith	Transect 8 (Eastward) starts
20190516.0013.001	20190516.0005	2019/05/16 00:05:07	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.464740	-71.044616		cXiao	
20190516.0023.001	20190516.0020	2019/05/16 00:20:07	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.463911	-70.987434		cXiao	
20190516.0052.001	20190516.0034	2019/05/16 00:34:37	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.462708	-70.932423		cXiao	
20190516.0053.001	20190516.0049	2019/05/16 00:49:07	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.462504	-70.879469		cXiao	
20190516.0139.001	20190516.0104	2019/05/16 01:04:07	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.464235	-70.824258		cXiao	
20190516.0140.001	20190516.0119	2019/05/16 01:19:22	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.468204	-70.768003		cXiao	
20190516.0141.001	20190516.0134	2019/05/16 01:34:22	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.474344	-70.713590		cXiao	
20190516.0211.001	20190516.0149	2019/05/16 01:49:07	Underway Science Seawater Impeller	TOI discrete	8	NaN	NaN	40.470239	-70.659753		cXiao	
20190516.0213.001	20190516.0203	2019/05/16 02:03:52	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.468494	-70.605661		cXiao	
20190516.1506.001	20190516.0204	2019/05/16 02:04:07	Other	end	8	EIMS E1	NaN	40.468633	-70.604799		zSandwith	Transect 8 (Eastward) ends
20190516.1507.001	20190516.0204	2019/05/16 02:04:07	Other	start	9	EIMS E1	NaN	40.468633	-70.604799		zSandwith	Transect 9 (Southward) starts
20190516.0325.001	20190516.0237	2019/05/16 02:37:07	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.389153	-70.605129		cXiao	
20190516.0327.001	20190516.0258	2019/05/16 02:58:52	Underway Science	TOI discrete	9	NaN	NaN	40.329272	-70.604902		cXiao	

			Seawater Impeller									
20190516.0328.001	20190516.0321	2019/05/16 03:21:52	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.264608	-70.606794		cXiao	
20190516.0348.001	20190516.0345	2019/05/16 03:45:07	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.198268	-70.609382		cXiao	
20190516.0605.001	20190516.0408	2019/05/16 04:08:07	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.131448	-70.609914		zSandwith	
20190516.0605.002	20190516.0426	2019/05/16 04:26:07	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.080344	-70.612565		zSandwith	
20190516.0606.001	20190516.0453	2019/05/16 04:53:07	Underway Science Seawater Impeller	TOI discrete	9	NaN	NaN	40.004270	-70.610175		zSandwith	
20190516.0607.001	20190516.0516	2019/05/16 05:16:07	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.944264	-70.610237		zSandwith	
20190516.1507.002	20190516.0516	2019/05/16 05:16:07	Other	end	9	EIMS E2	NaN	39.944264	-70.610237		zSandwith	Transect 9 (Southward) end
20190516.1509.001	20190516.0516	2019/05/16 05:16:07	Other	start	10	EIMS E2	NaN	39.944264	-70.610237		zSandwith	Transect 10 (Westward) starts
20190516.0607.002	20190516.0531	2019/05/16 05:31:07	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.945276	-70.666834		zSandwith	
20190516.0608.001	20190516.0546	2019/05/16 05:46:07	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.945284	-70.722194		zSandwith	
20190516.0608.002	20190516.0601	2019/05/16 06:01:07	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.945190	-70.775456		zSandwith	
20190516.0732.001	20190516.0617	2019/05/16 06:17:07	Underway Science Seawater Impeller	TOI discrete	10	A13	NaN	39.945076	-70.831463		zSandwith	
20190516.0732.002	20190516.0631	2019/05/16 06:31:07	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.946197	-70.879664		zSandwith	
20190516.0733.001	20190516.0646	2019/05/16 06:46:07	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.945420	-70.932017		zSandwith	

20190516.0734.001	20190516.0702	2019/05/16 07:02:06	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.945319	-70.988781		zSandwith	
20190516.0926.001	20190516.0716	2019/05/16 07:16:52	Other	start	11	EIMS W2	NaN	39.944164	-71.040024		zSandwith	Southeastward
20190516.1509.002	20190516.0716	2019/05/16 07:16:52	Other	end	10	EIMS W2	NaN	39.944164	-71.040024		zSandwith	Transect 10 (Westward) ends
20190516.0735.001	20190516.0717	2019/05/16 07:16:52	Underway Science Seawater Impeller	TOI discrete	10	NaN	NaN	39.944164	-71.040024		zSandwith	End transect 10
20190516.1512.001	20190516.0938	2019/05/16 09:37:53	Other	end	11	A18	NaN	39.621096	-70.830920		zSandwith	Southeastward
20190516.1008.001	20190516.1008	2019/05/16 10:08:08	CTD	start	11b	A13	032	39.620047	-70.830058		zSandwith	PP cast
20190516.1046.001	20190516.1008	2019/05/16 10:08:08	CTD	stop	11b	A13	032	39.620047	-70.830058		zSandwith	
20190516.1217.001	20190516.1218	2019/05/16 12:18:02	CTD	start	11b	A18	033	39.619448	-70.828786		zSandwith	Zoop grazing collection
20190516.1221.001	20190516.1218	2019/05/16 12:18:08	CTD	stop	11b	A18	033	39.619443	-70.828771		zSandwith	
20190516.1523.001	20190516.1237	2019/05/16 12:37:53	Other	start	12	A18	032	39.629063	-70.829331		zSandwith	Transect 12 (Northward) starts
20190516.2306.001	20190516.1252	2019/05/16 12:52:53	Grazing Incubation	start	12	A18	032	39.667458	-70.829266		cPetitpas	grazing incubation#4 start at 08:53 local with surface Slope water
20190516.1429.001	20190516.1430	NaN	Other	start	2a	NaN	NaN	NaN	NaN		wZhang	Transect 2a starts on 2019/05/13 23:20:00
20190516.1450.001	20190516.1450	2019/05/16 14:50:32	CTD	start	12	A12	034	40.009801	-70.831282		zSandwith	
20190516.2310.001	20190516.1528	2019/05/16 15:27:53	Grazing Incubation	stop	6	A10	026	40.009408	-70.832388		cPetitpas	grazing incubation#3 breakdown at 11:28 local
20190516.1532.001	20190516.1532	2019/05/16 15:32:53	CTD	stop	12	A12	034	40.009228	-70.832979		wZhang	productivity cast
20190516.1834.001	20190516.1835	2019/05/16 18:35:01	Other	start	13	A5	NaN	40.473593	-70.841121		wZhang	Transect 13 (southward vpr tow-2) starts
20190516.1835.001	20190516.1835	2019/05/16 18:35:38	towed VPR	deploy	13	A5	VPR2	40.472696	-70.842001		wZhang	VPR tow-2
20190516.1916.001	20190516.1916	2019/05/16 19:17:00	Underway Science Seawater Impeller	IFCB discrete	NaN	NaN	UW1	40.383537	-70.860197		tCrockford	IFCB109 discrete off of TOI discrete tubing
20190513.1558.001	20190516.2225	NaN	MOCNESS	deploy	1	A13	MOCNESS-1	NaN	NaN		wZhang	Net 8, surface (100 micron):

												torn open, sample lost
20190514.1052.001	20190516.2242	NaN	Grazing Incubation	start	1	A13	10	NaN	NaN		cPetitpas	Exp 1 start 13:27 local; water from 17m on Shelf; added dilution WW and 10% treatment replicates to temp. control incubator
20190517.0023.001	20190517.0003	2019/05/17 00:03:55	towed VPR	recover	13	A16	VPR2	39.737723	-70.832118		pAlatalo	VPR Tow2
20190517.0059.001	20190517.0059	2019/05/17 00:59:48	Other	end	13	A18	NaN	39.615895	-70.828545		wZhang	Transect 13 (southward vpr tow-2 + transit) ends at A18
20190517.0101.001	20190517.0101	2019/05/17 01:01:33	Other	start	14	A18		39.615917	-70.828182		wZhang	Transect 14 (northward) starts with CTD cast 035 at A18
20190517.0107.001	20190517.0107	2019/05/17 01:07:06	CTD	start	14	A18	35	39.615918	-70.827894		cXiao	Marshall at the CTD console
20190517.0151.001	20190517.0151	2019/05/17 01:51:03	CTD	stop	14	A18	35	39.617108	-70.829424		cXiao	Marshall at the CTD console
20190517.0303.001	20190517.0241	2019/05/17 02:41:55	CTD	start	14	A17	36	39.682778	-70.829146		cXiao	Marshall at the CTD console
20190517.0328.001	20190517.0328	2019/05/17 03:28:31	CTD	stop	14	A17	36	39.682245	-70.830755		cXiao	Marshall at the CTD console
20190517.0430.001	20190517.0430	2019/05/17 04:30:42	CTD	start	14	A16	037	39.751418	-70.831501		zSandwith	
20190517.0509.001	20190517.0509	2019/05/17 05:09:25	CTD	stop	14	A16	037	39.750724	-70.829744		zSandwith	Niskin 13 was half full by the time it was sampled. Bad seat on bottom cap?
20190517.0605.001	20190517.0605	2019/05/17 06:05:06	CTD	start	14	A15	038	39.814774	-70.830030		zSandwith	
20190517.0647.001	20190517.0647	2019/05/17 06:47:55	CTD	stop	14	A15	038	39.814819	-70.830413		zSandwith	Niskin 13 slight drip out of bottom cap o-ring when petcock pushed in on integrity check.
20190517.0745.001	20190517.0745	2019/05/17 07:45:49	CTD	start	14	A14	039	39.879878	-70.830142		zSandwith	
20190517.0745.002	20190517.0745	2019/05/17 07:45:52	CTD	start	14	A14	039	39.879881	-70.830140		zSandwith	
20190517.0819.001	20190517.0819	2019/05/17 08:19:56	CTD	stop	14	A14	039	39.880397	-70.830188		zSandwith	
20190517.0912.001	20190517.0912	2019/05/17 09:12:17	CTD	start	14	A13	040	39.944722	-70.831072		zSandwith	

20190517.0958.001	20190517.0958	2019/05/17 09:58:25	CTD	stop	14	A13	040	39.944692	-70.829283		zSandwith	1st niskin not fired at bottom but at 250m - realised after firing 1st bottle at 250. ctd continued up to 200m. decided to send back down to 300 and fired niskin 2. then fired niskin 3 at 250 on re-ascent. 1st bottle not sampled.
20190517.1043.001	20190517.1043	2019/05/17 10:43:25	CTD	start	14	A12	041	40.009961	-70.830639		zSandwith	
20190517.1112.001	20190517.1112	2019/05/17 11:12:03	CTD	stop	14	A12	041	40.009976	-70.829525		zSandwith	
20190517.1159.001	20190517.1159	2019/05/17 11:59:45	CTD	start	14	A11	042	40.074001	-70.830237		zSandwith	
20190517.1228.001	20190517.1228	2019/05/17 12:28:02	CTD	stop	14	A11	042	40.074436	-70.828975		zSandwith	
20190517.2043.001	20190517.1253	2019/05/17 12:52:54	Grazing Incubation	stop	12	A18	033	40.093781	-70.829059		cPetitpas	grazing incubation#4 breakdown at 08:53 local
20190517.1320.001	20190517.1320	2019/05/17 13:20:47	CTD	start	14	A10	043	40.138966	-70.829770		zSandwith	
20190517.1342.001	20190517.1342	2019/05/17 13:42:44	CTD	stop	14	A10	043	40.138726	-70.828839		zSandwith	
20190517.1431.001	20190517.1431	2019/05/17 14:31:17	CTD	start	14	A9	044	40.204439	-70.829837		zSandwith	
20190517.1459.001	20190517.1459	2019/05/17 14:59:10	CTD	stop	14	A9	044	40.204563	-70.829757		zSandwith	
20190517.1636.001	20190517.1636	2019/05/17 16:37:00	CTD	start	14	A9	45	40.204770	-70.830290		cXiao	grazing water incubation
20190517.1657.001	20190517.1657	2019/05/17 16:57:33	CTD	stop	14	A9	45	40.206004	-70.830747		cXiao	
20190517.2046.001	20190517.1712	2019/05/17 17:11:55	Grazing Incubation	start	14	A9	45	40.236579	-70.831040		cPetitpas	grazing incubation#5 start at 13:12 local at 22m in Front
20190517.1745.001	20190517.1745	2019/05/17 17:45:39	CTD	start	14	A8	46	40.271371	-70.832463		cXiao	Hilder at the CTD console
20190517.1807.001	20190517.1807	2019/05/17 18:08:00	CTD	stop	14	A8	46	40.270101	-70.832576		cXiao	Hilder at the CTD console
20190517.1909.001	20190517.1909	2019/05/17 19:09:24	CTD	start	14	A7	47	40.335923	-70.829711		cXiao	Gordon at the CTD console
20190517.1932.001	20190517.1932	2019/05/17 19:32:13	CTD	stop	14	A7	47	40.335980	-70.829523		cXiao	
20190517.2023.001	20190517.2023	2019/05/17 20:23:29	CTD	start	14	A6	48	40.396479	-70.828975		cXiao	Gordon at the CTD console

20190517.2047.001	20190517.2042	2019/05/17 20:41:55	CTD	stop	14	A6	48	40.396619	-70.828690		cXiao	
20190517.2143.001	20190517.2143	2019/05/17 21:43:11	CTD	start	14	A5	49	40.464138	-70.828835		cXiao	Gordon at the CTD console
20190517.2201.001	20190517.2201	2019/05/17 22:01:32	CTD	stop	14	A5	49	40.462414	-70.828336		cXiao	
20190517.2204.001	20190517.2204	2019/05/17 22:04:12	Other	end	14	A5	NaN	40.462002	-70.828329		wZhang	Transect 14 (northward) ends
20190517.2205.001	20190517.2205	2019/05/17 22:05:40	Other	start	15	A5	NaN	40.461761	-70.828302		wZhang	Transect 15 (southwestward from A5 to NS1) starts
20190517.2352.001	20190517.2353	2019/05/17 23:53:02	Other	end	15	NS1	NaN	40.269977	-71.000152		wZhang	
20190517.2356.001	20190517.2356	2019/05/17 23:56:50	Other	start	16	NS1	NaN	40.270256	-70.999766		wZhang	Southward transect going through the frontal eddy
20190518.0020.001	20190518.0020	2019/05/18 00:20:40	CTD	start	16	NS1	050	40.275172	-70.996408		cXiao	Marshall at the CTD console
20190518.0040.001	20190518.0040	2019/05/18 00:40:27	CTD	stop	16	NS1	050	40.276404	-70.994643		cXiao	Marshall at the CTD console
20190518.0136.001	20190518.0136	2019/05/18 01:36:15	CTD	start	16	NS2	051	40.206512	-70.996392		zSandwith	
20190518.0156.001	20190518.0156	2019/05/18 01:56:55	CTD	stop	16	NS2	051	40.206691	-70.994915		cXiao	
20190518.0259.001	20190518.0259	2019/05/18 02:59:10	CTD	start	16	NS3	052	40.142811	-70.999918		cXiao	Marshall at the CTD console
20190518.0333.001	20190518.0333	2019/05/18 03:33:59	CTD	stop	16	NS3	052	40.142178	-70.999766		cXiao	
20190518.0436.001	20190518.0436	2019/05/18 04:36:09	CTD	start	16	EW2	053	40.074728	-70.999998		zSandwith	
20190518.0515.001	20190518.0515	2019/05/18 05:15:45	CTD	stop	16	EW2	053	40.074012	-70.999301		zSandwith	
20190518.0633.001	20190518.0633	2019/05/18 06:33:24	CTD	start	16	NS4	054	40.008249	-70.999477		zSandwith	
20190518.0705.001	20190518.0705	2019/05/18 07:05:20	CTD	stop	16	NS4	054	40.006861	-70.998931		zSandwith	
20190518.0802.001	20190518.0802	2019/05/18 08:02:22	CTD	start	16	NS5	055	39.944493	-70.998604		zSandwith	
20190518.0837.001	20190518.0837	2019/05/18 08:37:10	CTD	stop	16	NS5	055	39.944194	-70.999891		zSandwith	
20190518.0929.001	20190518.0929	2019/05/18 09:29:09	CTD	start	16	NS6	56	39.882102	-71.001494		zSandwith	
20190518.1004.001	20190518.1004	2019/05/18 10:04:31	CTD	stop	16	NS6	56	39.883670	-71.001024		zSandwith	
20190518.1103.001	20190518.1103	2019/05/18 11:03:38	CTD	start	16	NS6a	057	39.815906	-71.000824		zSandwith	
20190518.1145.001	20190518.1145	2019/05/18 11:45:08	CTD	stop	16	NS6a	057	39.817284	-71.000237		zSandwith	
20190518.1146.001	20190518.1146	2019/05/18 11:46:02	Other	end	16	NS6a		39.817380	-71.000189		zSandwith	
20190518.1154.001	20190518.1146	2019/05/18	Other	start	17	NS6a		39.817375	-71.000193		zSandwith	Northwestward

		11:45:58										transect - Eddy Mapping
20190518.1343.001	20190518.1343	2019/05/18 13:43:25	Other	end	17	EW7		40.009848	-71.337203		zSandwith	
20190518.1343.002	20190518.1343	2019/05/18 13:43:58	Other	start	18	EW7		40.010060	-71.337164		zSandwith	Transect 18 (Eastward cutting through Eddy Edward) with CTD and VPR tow-3
20190518.1351.001	20190518.1351	2019/05/18 13:51:05	CTD	start	18	EW7	058	40.010305	-71.337192		zSandwith	
20190518.1421.001	20190518.1421	2019/05/18 14:21:33	CTD	stop	18	EW7	058	40.012510	-71.336324		zSandwith	
20190518.1510.001	20190518.1510	2019/05/18 15:10:15	CTD	start	18	EW8	059	40.010140	-71.249716		zSandwith	
20190518.1550.001	20190518.1550	2019/05/18 15:50:17	CTD	stop	18	EW8	059	40.008603	-71.250125		zSandwith	
20190518.1652.001	20190518.1652	2019/05/18 16:52:20	CTD	start	18	EW9	060	40.010719	-71.168582		cXiao	Hilder at the CTD console
20190519.0058.001	20190518.1717	2019/05/18 17:16:58	Grazing Incubation	stop	14	A9	45	40.010258	-71.169127		cPetitpas	grazing incubation#5 breakdown at 13:15 local
20190518.1731.001	20190518.1731	2019/05/18 17:31:53	CTD	stop	18	EW9	060	40.010187	-71.169225		cXiao	Hilder at the CTD console
20190518.1825.001	20190518.1825	2019/05/18 18:25:35	CTD	start	18	NS4	061	40.010601	-71.083856		cXiao	Hilder at the CTD console
20190518.1906.001	20190518.1901	2019/05/18 19:00:58	EIMS	start	18	NS4	NaN	40.012473	-71.082038		cXiao	underway surface seawater at same time as cast surface
20190518.1904.001	20190518.1905	2019/05/18 19:05:00	CTD	stop	18	NS4	061	40.012338	-71.081827		cXiao	Hilder at the CTD console
20190518.2017.001	20190518.1944	2019/05/18 19:44:58	MOCNESS	deploy	18	NS10	MOC 6	40.016524	-71.095388		cXiao	
20190518.2018.001	20190518.2015	2019/05/18 20:14:58	MOCNESS	recover	18	NS10	NaN	40.023208	-71.116565		cXiao	
20190518.2040.001	20190518.2040	2019/05/18 20:40:07	CTD	start	18	NS10	062	40.012358	-71.083692		cXiao	grazing water incubation; DAVPR and SUNA not on
20190518.2050.001	20190518.2050	2019/05/18 20:50:11	CTD	stop	18	NS10	062	40.013087	-71.083938		cXiao	
20190518.2251.001	20190518.2110	2019/05/18 21:09:58	towed VPR	recover	18	A12	VPR3	40.010807	-71.086032		cXiao	VPR Tow3
20190518.2300.001	20190518.2112	2019/05/18 21:12:58	towed VPR	deploy	18	SN10	VPR3	40.011167	-71.079465		cXiao	VPR tow3; starting time read from VPR log file
20190519.0103.001	20190518.2114	2019/05/18 21:13:58	Grazing Incubation	start	18	NS10	062	40.011276	-71.077253		cPetitpas	grazing incubation#6 start at 17:14

												local at 30m in Eddy
20190518.2328.001	20190518.2318	2019/05/18 23:17:59	Other	end	18	A12		40.013525	-70.801267		wZhang	
20190518.2329.001	20190518.2318	2019/05/18 23:17:59	Other	start	19	A12		40.013525	-70.801267		wZhang	Transect 19 (Westward)
20190518.2344.001	20190518.2344	2019/05/18 23:44:16	CTD	start	19	A12	063	40.009465	-70.831933		cXiao	Gordon at the CTD console
20190518.2359.001	20190518.2351	2019/05/18 23:51:59	CTD	stop	19	A12	063	40.009287	-70.833100		wZhang	Bad profile with large density inversion and sensor differences, likely due to clogged tube. Abandoned. CTD brought back on deck for cleaning. Profile to be retaken.
20190519.0014.001	20190519.0014	2019/05/19 00:14:42	CTD	start	19	A12	064	40.007075	-70.836182		cXiao	Gordon at the CTD console
20190519.0049.001	20190519.0049	2019/05/19 00:49:50	CTD	start	19	A12	064	40.003371	-70.838228		cXiao	Gordon at the CTD console
20190519.0146.001	20190519.0146	2019/05/19 01:46:57	CTD	start	019	EW10	065	40.009968	-70.914582		cXiao	Marshall at the CTD console

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